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(21) International Application Number: PCT/US98/22577 (22) International Filing Date: 23 October 1998 (23.10.98) (30) Priority Data: 60/063,620 27 October 1997 (27.10.97) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 60/063,620 (CON) Filed on 27 October 1997 (27.10.97) (71) Applicant (for all designated States except US): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 9500 Gilman Drive, Mail Code 0910, La Jolla, CA 93093-0910 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): FAHEY, Robert, C. [-/US]; 13060 Caminito del Rocio, Del Mar, CA 92014 (US). NEWTON, Gerald, L. [-/US]; 791 Gage Drive, San Diego, CA 92106 (US). UNSON, Maria, Margarita, D. [-/US]; 6933 Enders Avenue, San Diego, CA 92122 (US). DAVIS, Charles, E. [-/US]; 4343 Ampudia Street, San Diego, CA 92103 (US). ANGERBERG, Sara, J.	(74) Agent: HAILE, Lisa, A.; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (US). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>	
(54) Title: REAGENTS AND IMMUNOASSAY FOR THE DETECTION AND QUANTITATIVE DETERMINATION OF MYCOTHIOIOL AND PRECURSORS THEREOF		
(57) Abstract <p>A method of detecting a member of the taxa actinomycetes is provided. A method also is provided for detecting mycothiol or precursor thereof. An antibody is provided which binds to mycothiol or a mycothiol precursor. A method is further provided for diagnosis of a subject having or at risk of having an actinomycetes-associated disorder. A method is also provided for identifying a sample with altered production of mycothiol or a precursor thereof. A method is provided for detecting mycothiol or precursor thereof in a bacterial colony. Kits are also disclosed which are useful for detecting the presence of mycothiol or precursor thereof in a sample.</p>		



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